

Complete Summary

TITLE

Pregnancy and related conditions: percent of patients with vaginal birth after cesarean section (VBAC).

SOURCE(S)

Specifications manual for national hospital quality measures, version 1.04. Centers for Medicare and Medicaid Services (CMS), Joint Commission on Accreditation of Healthcare Organizations (JCAHO); 2005 Aug. various p.

Measure Domain

PRIMARY MEASURE DOMAIN

Use of Services

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

SECONDARY MEASURE DOMAIN

Does not apply to this measure

Brief Abstract

DESCRIPTION

This measure is used to assess prenatal patient evaluation, management, and treatment selection concerning vaginal deliveries in patients who have a history of previous cesarean section.

RATIONALE

A trial of labor may be offered to women who have had a previous cesarean section. Although trial of labor is usually successful and is relatively safe, major maternal complications can occur. The rate of vaginal birth after cesarean section (VBAC) along with other performance measures such as primary cesarean section, repeat cesarean section, and neonatal complications will assist organizations in understanding whether an increase or a decrease in the rate of VBAC is desirable.

PRIMARY CLINICAL COMPONENT

Pregnancy; vaginal birth after cesarean section (VBAC)

DENOMINATOR DESCRIPTION

All patients who delivered with a history of previous cesarean section (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

NUMERATOR DESCRIPTION

Patients with vaginal birth after cesarean section (VBAC) (see the related "Numerator Inclusions/Exclusions" field in the Complete Summary)

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE VALUE OF MONITORING USE OF SERVICE

- One or more research studies published in a National Library of Medicine (NLM) indexed, peer-reviewed journal

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Monitoring and planning

EVIDENCE SUPPORTING NEED FOR THE MEASURE

Specifications manual for national hospital quality measures, version 1.04. Centers for Medicare and Medicaid Services (CMS), Joint Commission on Accreditation of Healthcare Organizations (JCAHO); 2005 Aug. various p.

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Accreditation
Monitoring and planning

Application of Measure in its Current Use

CARE SETTING

Hospitals

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Measure is not provider specific

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Single Health Care Delivery Organizations

TARGET POPULATION AGE

Women of childbearing age

TARGET POPULATION GENDER

Female (only)

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Not within an IOM Care Need

IOM DOMAIN

Not within an IOM Domain

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

All patients who delivered with a history of previous cesarean section

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Discharges with International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Principal Diagnosis Code or ICD-9-CM Other Diagnosis Codes for pregnancy with delivery as defined in Appendix A of the original measure documentation, and ICD-9-CM Principal Diagnosis Code or ICD-9-CM Other Diagnosis Code 654.21 (previous cesarean section)

Exclusions

Discharges with ICD-9-CM Principal Diagnosis Code or ICD-9-CM Other Diagnosis Code for abortion as defined in Appendix A of the original measure documentation

RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are not equally eligible to appear in the numerator

DENOMINATOR (INDEX) EVENT

Institutionalization
Therapeutic Intervention

DENOMINATOR TIME WINDOW

Time window is a single point in time

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Patients with vaginal birth after cesarean section (VBAC)

Exclusions

Discharges with International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Principal Procedure Code for cesarean section as defined in Appendix A of the original measure documentation

MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

NUMERATOR TIME WINDOW

Institutionalization

DATA SOURCE

Administrative data

LEVEL OF DETERMINATION OF QUALITY

Does not apply to this measure

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Undetermined

ALLOWANCE FOR PATIENT FACTORS

Risk adjustment devised specifically for this measure/condition

DESCRIPTION OF ALLOWANCE FOR PATIENT FACTORS

This measure is adjusted for risk factors. Refer to Appendix B of the original measure documentation for risk factor definitions.

STANDARD OF COMPARISON

External comparison at a point in time
External comparison of time trends
Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Pregnancy and Related Conditions Core Measure Set has been field tested in conjunction with the National Perinatal Information Center (NPIC) using its trend database to analyze the measures. This testing permitted refinement respecting the measures and provided information pertinent to risk-adjustment models.

EVIDENCE FOR RELIABILITY/VALIDITY TESTING

Joint Commission on Accreditation of Healthcare Organizations (JCAHO). A comprehensive review of development and testing for national implementation of hospital core measures. Oakbrook Terrace (IL): Joint Commission on Accreditation of Healthcare Organizations (JCAHO); 40 p.

Identifying Information

ORIGINAL TITLE

PR-1: VBAC.

MEASURE COLLECTION

[National Hospital Quality Measures](#)

MEASURE SET NAME

[Pregnancy and Related Conditions](#)

DEVELOPER

Joint Commission on Accreditation of Healthcare Organizations

ENDORSER

National Quality Forum

ADAPTATION

Measure was adapted from another source.

PARENT MEASURE

Patients with vaginal birth after cesarean section (VBAC) (The MEDSTAT Group, Inc)

Deliveries with a previous history of cesarean section (Arkansas Foundation for Medical Care, Inc)

RELEASE DATE

2000 Aug

REVISION DATE

2005 Aug

MEASURE STATUS

Please note: This measure has been updated. The National Quality Measures Clearinghouse is working to update this summary.

SOURCE(S)

Specifications manual for national hospital quality measures, version 1.04. Centers for Medicare and Medicaid Services (CMS), Joint Commission on Accreditation of Healthcare Organizations (JCAHO); 2005 Aug. various p.

MEASURE AVAILABILITY

The individual measure, "PR-1: VBAC," is published in "Specifications Manual for National Hospital Quality Measures (Version 1.04)." This document is available from the [Joint Commission on Accreditation of Healthcare Organizations \(JCAHO\) Web site](#). Information is also available from the [Centers for Medicare & Medicaid Services \(CMS\) Web site](#). Check the JCAHO Web site regularly for the most recent version of the specifications manual and for the applicable dates of discharge.

COMPANION DOCUMENTS

The following are available:

- Joint Commission on Accreditation of Healthcare Organizations (JCAHO). A comprehensive review of development and testing for national implementation of hospital core measures. Oakbrook Terrace (IL): Joint Commission on Accreditation of Healthcare Organizations (JCAHO); 40 p. This document is available from the [JCAHO Web site](#).
- Joint Commission on Accreditation of Healthcare Organizations (JCAHO). Attributes of core performance measures and associated evaluation criteria. Oakbrook Terrace (IL): Joint Commission on Accreditation of Healthcare Organizations (JCAHO); 5 p. This document is available from the [JCAHO Web site](#).

NQMC STATUS

This NQMC summary was completed by ECRI on December 27, 2002. The information was verified by the Joint Commission on Accreditation of Healthcare Organizations on January 17, 2003. This NQMC summary was updated by ECRI on October 25, 2005. The information was verified by the measure developer on January 13, 2006.

COPYRIGHT STATEMENT

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